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Attorney's Docket No. 13907-062001	Application No. 10/747,663
Applicant Wolfgang Kalthoff et al.	
Filing Date December 30, 2003	Group Art Unit 2133

·	<del>-</del>		J.S. Patent	Documents			
Exami ner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
S.A.C.	AA	US-4459663	07-1984	Dye	705	29	
S-AC	AB	US-5099431	03-1992	Natarajan	700	[05	
CAC	AC	US-5191534	03-1993	Orr et al.	700	105	
SAC	AD	US-5311424	05-1994	Mukherjee et al.	765	29	
STIC	AE	09/577,268		Hazi et al.	705	26	05-2000
S-AC	AF	09/643,207 6883136		Brookler et al.	701	508	08-2000
SAC	AG	0 <del>9/643,316</del> 6879976		Brookler et al.	707	03	08-2000
SAC	АН	US 2002/0087510 A1	07-2002	Weinberg et al.	707	00/.00	
SAL	ΑI	US 2002/0116417 A1	08-2002	Weinberg et al.	707	509	
SAC	AJ	US-6480755	11-2002	Ootani et al.	700	105	
SAC	AK	US 2002/0194196 A1	12-2002	Weinberg et al.	767	100	
SAC	AL	US 2007/025337 A.1	12-2003	Weinberg et-al.	707	04	
SAC	AM	US-6711456	03-2004	Yokomori et al.	700	169	
SAC	AN	US-6738682	05-2004	Pasadyn	700	100	
SAL	AO	US-6754666 B1	06-2004	Brookler et al.	707	102.	

	Fore	ign Patent Docum	ents or Pub	lished Foreign F	Patent A	pplication	S	
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ner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Yes	No
SAC	AP	CA 2391829	06-2001	Canada				
SAC	AQ	WO 02/25471	03-2002	WIPO		_		
SAC	AR	WO 02/25500	03-2002	WIPO				
SAC	AS	WO 02/47463	06-2002	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)						
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ner	Desig.					
Initial	_ ID ¯	Document				
		Haerder T. et al., "Integritaetskontrolle," Datenbanken Konzepte und Techniken Der Implementierung,				
SAC	AT	1999, pp. 397-405, XP002294581 [translation provided]				
Examiner	Signature,	Date Considered				
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Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. Application No. 13907-062001 10/747,663		
Information Discl	losure Statement	Applicant Wolfgang Kalthoff et al.		
(Use several she	ets if necessary)	Filing Date December 30, 2003	Group Art Unit 2133	

000		Haerder T. et al., "RX-Sperrverfahren," Datenbanken Konzepte und Techniken Der Implementierung,	1
SAC	ΑU	1999, pp. 419-420, XP002294552 [translation provided]	

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Substitute Form PTO-1449 (Vipdized)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 13907-062001

Application No. 10/747,663

prmation Disclosure Statement by Applicant (Use several sheets if necessary)

**Applicant** 

Wolfgang Kalthoff et al.

Filing Date December 30, 2003

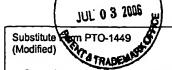
**Group Art Unit** 2133

HADEM	U.S. Patent Documents						
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
S-AC	AA	US-6236997 B1	05-2001	Bodamer et al.	707	10	
S-A-C	AB	US-5859972 A	01-1999	Subramaniam et al.	709	203	
SA-C	AC	US-6226650 B1	05-2001	Mahajan et al.	707	201	

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Patent Office	Class	Subclass_	Yes	No
SAC	AD	WO 01/37097	05-2001	WIPO	_	_		

	Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner	Desig.							
Initial	ID di	Document						
SAL	AE	Chaudhuri, Surajit, et al., "An Overview of Data Warehousing and OLAP Technology," SIGMOD Record, New York, NY, USA, vol. 26, no. 1, March 1997, pp. 65-74, XP002193792, ISSN: 0163-5808						
SAC	AF	Rahm, Erhard, et al., "Data Cleaning: Problems and Current Approaches," IEEE Bulletin of the Technical Committee on Data Engineering, vol. 23, no. 4, retrieved from the Internet December 2000 at <a href="http://lips.informatik.uni-leipzig.de:80/pub/2000-45">http://lips.informatik.uni-leipzig.de:80/pub/2000-45</a> , XP002284896, 11 pgs.						
SAC	AG	"SyncML Protocol, version 1.0," Internet Citation, December 7, 2000, XP002217356, 60 pgs.						

**Date Considered** Examiner Signature, 8-7-06 EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



U.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 13907-062001

Application No. 10/747,663

**Supplemental Information Disclosure Statement** by Applicant (Use several sheets if necessary)

Applicant

Wolfgang Kalthoff et al.

Filing Date December 30, 2003 **Group Art Unit** 2133

(37 CFR §1.98(b))

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
SAL	AA	US 5,442,782	08/15/1995	Malatesta et al.	707	4	
S-AC	AB	US 6,018,742	01/25/2000	Herbert III	707	02	
SA-C	AC	US 2802/015688	10/24/2002	Horn et al.	705	35	
S-A-C	AD	US 2002/0184308	12/05/2002	Levy et al.	345	7 <sub>0</sub> 3	
S-A-C	AE	US 2004/0015408	01/22/2004	Rauen IV et al.	705	26	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No

	Other Documents (include Author, Title, Date, and Place of Publication)						
Examiner Initial	Desig. ID	Document					
5-A-C	AF	Chan and Suwanda, "Designing Multinational Online Stores: Challenges, Implementation Techniques and Experience", IBM Centre for Advanced Studies Conference: Proceedings of the 2000 conference of the Centre for Advanced Studies on Collaborative research, Mississauga, Ontario, Canada, 2000, pgs. 1-14					
SAC	AG	Sheth and Larson, "Federated Database Systems for Managing Distributed, Heterogeneous, and Antonomous Databases", ACM Computing Surveys, 1990, 22(3): 184-236					

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EXAMINER: Initials citation/considered. Draw line through citation if no	it in conformance and not considered. Include copy of this form with
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7/	U.	S. Patent	Documents	<del></del> ,			
Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
AA	US 5655085	08-1997	Ryan et al.	705	4		
AB	US 5694598	12/02/97	Durand et al.	707	103R		
AC	US 5703938	12-1997	Lucas et al.	379	112-05		
AD	US 5710884	01-1998	Dedrick	709	217	·	
AE	US 5911139	06/08/99	Jain et al.	707	3		
AF	US 6032147 A	02-2000	Williams et al.	707	101		
AG	US 6067525	05-2000	Johnson et al	705	10		
AH	US 6324647	11/27/01	Bowman-Amuah	726	23		
AI	US 6405132	06-2002	Breed et al	70	307		
AJ	US 6567818 B1	05/20/03	Frey et al.	707	1.03R		
AK	US 6768944	07-2004	Breed et al.	701	301		
AL	US 6857123 B1	02/15/05	Nuxoll et al.	719	314		
AM	US 6895408 B1	05/17/05	Kavantzas	707	104-1		
AN	US 2002/0095454 A1	07/18/02	Reed et al.	709	203		
AO	US 2003/191832	10-2003	Ramakrishna et al.	709	224		
AP	US 2005/0038551	02/17/05	Mazumder et al.	700	160		
	Desig. ID AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO	Patent and Tra  Spelemental Information Disciplinary  Statement by Applicant  Whose several sheets if necessary)  U.  Desig. ID Document Number  AA US 5655085  AB US 5694598  AC US 5703938  AD US 5710884  AE US 5911139  AF US 6032147 A  AG US 6067525  AH US 6324647  AI US 6405132  AJ US 6567818 B1  AK US 6768944  AL US 6857123 B1  AM US 6895408 B1  AN US 6895408 B1  AN US 2003/191832	Patent and Trademark Office  Statement by Applicant  State several sheets if necessary)  U.S. Patent  Desig. ID Document Number AA US 5655085 08-1997 AB US 5694598 12/02/97 AC US 5703938 12-1997 AD US 5710884 01-1998 AE US 5911139 06/08/99 AF US 6032147 A 02-2000 AG US 6067525 05-2000 AH US 6324647 11/27/01 AI US 6405132 06-2002 AJ US 6567818 B1 05/20/03 AK US 6768944 07-2004 AL US 6857123 B1 02/15/05 AM US 6895408 B1 05/17/05 AN US 2003/191832 10-2003	Patent and Trademark Office   13907-062001   Applicant   Wolfgang Kaltho   Filing Date   December 30, 200	Patent and Trademark Office   13907-062001   Applicant   Statement   by Applicant   Wolfgang Kalthoff et al.   Filing Date   December 30, 2003   Publication   Date   December 30, 2003   Publication   Date   Patentee   Class   AA   US 5655085   08-1997   Ryan et al.   705   AB   US 5703938   12-1997   Lucas et al.   379   AC   US 5710884   01-1998   Dedrick   707   AE   US 5911139   06/08/99   Jain et al.   707   AF   US 6032147 A   02-2000   Williams et al.   707   AG   US 6067525   05-2000   Johnson et al   70 5   AH   US 6324647   11/27/01   Bowman-Amuah   726   AJ   US 6567818 B1   05/20/03   Frey et al.   707   AK   US 6768944   07-2004   Breed et al.   701   AM   US 6895408 B1   05/17/05   Kavantzas   707   AD   US 2003/191832   10-2003   Ramakrishna et al.   709   Mazumder et al.   709   709   700	PTO-1449	

	Foreign Patent Documents or Published Foreign Patent Applications									
Examiner	Desig.	Document	Publication	Country or			Translation			
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No		
S-A-C	AQ	DE 10049940A1	04-2002	Germany		1	Abstract			

	Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner	Desig.							
Initial	ID	Document						
Sm-c	AR	Berndtsson et al., Task Sharing Among Agents Using Reactive Rules, Cooperative Operation Systems, 1997. COOPIS '97., Proceedings of the Second IFCIS International, 24-27 June 1997, pgs. 56-65.						
S-A-C	AS	Hill et al., "Data Transformation: Key to Information Sharing" Gartner Group Strategic Analysis Report, 29 September 1998 (1998-09-29), pgs. 1-60.						

Examiner Signature	Date Considered							
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with								
next communication to applicant.								

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U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 13907-062001

Application No. 10/747,663

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Applicant
Wolfgang Kalthoff et al.

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Group Art Unit 2133

U.S. Patent Documents								
Examiner	Desig.	Document	Publication				Filing Date	
Initial	ID I	Number	Date	Patentee	Class	Subclass	If Appropriate	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner	Desig.	Document	Publication	Country or			Translation	
Initial	ID d	Number	Date	Patent Office	Class	Subclass	Yes	No

	Other Do	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	
Initial	Q	Document
SAC	AA	Bertino, Elisa, et al., "Data Security," Proceedings of the Twenty-Second Annual International Computer Software and Applications Conference, Vienna, Austria, August 19-21, 1998, Los Alamitos, CA, USA, August 19, 1998, (CompSAC '98), XP010305455, pp. 228-237
SAU	АВ	Bon, M., et al., "Sharing Product Data Among Heterogeneous Workflow Environments," CAD 2002: Corporate Engineering Research, Geman Informatics Society, March 4-5, 2002, Dresden, Germany, XP002268575, pp. 1-10
S-A-C	AC	Chandramouli, Ramaswamy, "Application of XML Tools for Enterprise-Wide RBAC Implementation Tasks," Proceedings of the 5th ACM Workshop on Role-Based Access Control, Berlin, Germany, July 26-27, 2000, XP000958089, pp.11-18
520	AD	Choi, Jin Oh, et al., "Update Propagation of Replicated Data in Distributed Spatial Databases," Proceedings of Database and Expert Systems Applications: Tenth International Conference, Florence, Italy, August 30, 1999 – September 2, 1999, DEXA '99 (Lecture Notes in Computer Science Vol. 1677), Berlin, Germany, Springer-Verlag, Germany, XP009022583, pp.952-963
CA.C	AE	Chou, H-T. et al., "Versions and Change Notification in an Object-Oriented Database System", Proceedings of the Design Automation Conference, Anaheim, June 12-15, 1988, Proceedings of the Design Automation Conference (DAC), New York, IEEE, US, vol. CONF. 25, 12 June 1988, pp. 275-281, XP010013006, ISBN: 0-8186-0864-1.
SA.C	AF	Ferreira Rezende, Fernando de, et al., "A Lock Method for KBMSs Using Abstraction Relationships' Semantics," Proceedings of the International Conference on Information and Knowledge Management, CIKM, ACM, New York, NY, USA, 1994, XP002943684, pp. 112-121
0-A-(,	AG	Hong, B. et al., "Modeling of Version Relationships for CAD Databases", Computers and Communications Technology Toward 2000, Seoul, Aug. 25-28, 1987, Proceedings of the Region 10 Conference, (TENCON), New York, IEEE, US, vol. 1, Conf. 3, 25 August 1987, pp. 142-146, XP000011783.
SAC	АН	Kamita, T. et al., "A Database Architecture and Version Control for Group Work", System Sciences, 1994, Vol. III: Information Systems: Decision Support and Knowledge-Based Systems, Proceedings of the Twenty-Seventh Hawaii International Conference on Wailea, HI, US, 4-7 January 1994, Los Alamitos, CA, US, IEEE Comput. Soc., 4 January 1994, pp. 438-447, XP010097053, ISBN: 0-8186-5070-2.
SAC	AI	Rana, S.P. et al., "Version Support for Manufacturing Database Systems", International Conference on Industrial & Engineering Applications of Artificial Intelligence & Expert Systems, Tullahoma, IN, US, New York, NY, US, vol. 2, 6 June 1989, pp. 779-784, XP000605772.
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	Substitute Disclosure Form (PTO-1449)

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Seeme!	U.S. Patent Documents								
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate		
SAC	- ·AA	2 <del>003/0161778</del>	10/31/2002	Linstedt					
	AB					,			

	Foreign Patent Documents or Published Foreign Patent Applications								
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Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No	
S-A.C.	AC	<del>03/093998</del> ·	11/13/2003	WIPO					
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Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner	Desig.			
Initial	· ID	Document ·		
5.A.C	AE	Anonymous "Data Profiling the Foundation for Data Management" DataFlux Corporation, July 1, 2004, pp. 1-17.		
SAC SAC	AF	Garcia et al. "Immunization Registries DeDuplication and Record Matching," White Paper, 1999, pp. 1-11.		
S-A.C	AG	Georgakopoulos et al. "An Overview of Workflow Management: From Process Modeling to Workflow Automation Infrastructure," <u>Distributed and Parallel Databases</u> , 1995, Vol. 3, No. 2, pp. 119-153.		
SA-C	АН	Rahm et al. "Data Cleaning: Problems and Current Approaches," Quarterly Bulletin of the Computer Society of the IEEE Technical Committee on Data Engineering, December 2000, pp. 1-11.		
	AI			

Examiner Signature///	Date Considered .
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4,6019	1) / 5 3
EXAMINER: Initials citation considered. Draw line through citation if no	at in conformance and not considered. Include copy of this form with
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Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 13907-062001

Application No. 10/747,663

**Information Disclosure Statement** by Applicant (Use several sheets if necessary)

**Applicant** Wolfgang Kalthoff et al.

Filing Date December 30, 2003 **Group Art Unit** 2133

**U.S. Patent Documents** Publication Filing Date Examiner Desig. **Document Number** Class Subclass If Appropriate ID Date Initial Patentee US 2002/161778 A1 10/31/2002 Linstedt

Foreign Patent Documents or Published Foreign Patent Applications									
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Trans Yes	lation No	
5-A-C	AB		11/13/2003	WIPO	- 01033	-	103	140	

Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner Initial	Desig. ID	Document			
SA-C	AC	Anonymous. "Data Profiling the Foundation for Data Management," Dataflux Corp., July 1, 2004, pp. 1-17, XP002313258.			
5-A-C	AD	Garcia, M.S., et al. "Immunization Registries DeDupliation and Record Matching," White Paper, 1999, XP002259647, 11 pgs.			
S-A-C	AE	Georgakopoulos, D., et al. "An Overview of Workflow Management: From Process Modeling to Workflow Automation Infrastructure," Distributed and Parallel Databases, Kluwer, NL, vol. 3, no. 2, April 1995, pp. 119-153, XP001055255.			

**Date Considered** EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.